

ABSTRACT OF THE DISCLOSURE

An ATM communication apparatus having a buffer memory
11 for storing cells received from each of input lines, a write
5 control unit 13 for writing each of the received cells into
the buffer memory so that the cells stored in the buffer memory
form cell queues corresponding to connections for each output
line, a read control unit 17 for reading out cells from each
of the cell queues while guaranteeing a minimum cell rate
10 predetermined for each connection within a range not exceeding
a predetermined peak cell rate, and a unit 12 for adding
congestion indication to a cell read out from a cell queue
of which stored cell amount exceeds a preset threshold.

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